



## PI20i TECHNICAL DATASHEET

|                       |                                                                                 |
|-----------------------|---------------------------------------------------------------------------------|
| Force                 | 120kN (26977 lbf)                                                               |
| Working height        | 135.8 ±0.02 mm (5.35 in) Applicators<br>212 ±0.02 mm (8.35 in) Dies             |
| Stroke                | 30 / 35 / 40 / 50 mm<br>(1.18 / 1.38 / 1.57 / 1.97 in)                          |
| Power                 | 4.2 kW (5.5 hp)                                                                 |
| Power supply          | 3x230 – 3x400 V                                                                 |
| Voltage               | 230 – 400 Vac                                                                   |
| Frequencies           | 50 – 60 Hz                                                                      |
| Settable cycles       | Mode A – B - Split cycle                                                        |
| Functions             | Jog – Split cycle                                                               |
| Connections           | Ethernet – Wi-Fi                                                                |
| Communication         | Modbus TCP IP                                                                   |
| Monitor interface     | HMI 4.3" color                                                                  |
| Weight                | 165 Kg (220 lb) compact version<br>310 Kg (683 lb) cabin version                |
| Dimensions [LxPxH]    | 600 x 550 x 1010 mm (24 x 22 x 40 in)<br>950 x 1020 x 1900 mm (37 x 40 x 75 in) |
| Finishing             | White paint RAL 9003                                                            |
| Configuration         | Bench top – automatic – on workbench                                            |
| Safety guard versions | Tiltable – Pantograph – IR – Pneumatic                                          |
| Management            | PLC                                                                             |
| Braking               | Inverter                                                                        |
| CFA                   | CDA10 integrated, or other                                                      |
| CAO                   | Included                                                                        |
| Safety system         | Integrated module                                                               |
| Pneumatics            | Safety kit included                                                             |
| Tool anchoring system | Quick release baseplate included                                                |
| External interface    | Ethernet – CFA – CAO – I/O Accessories                                          |
| Protection degree     | IP40                                                                            |
| Operating temperature | from +10 to +70 °C                                                              |



IR/PNEUMATIC CABIN PROTECTION



AUTOMATIC



TILTING  
SAFETY GUARD



IR SAFETY GUARD

### DESCRIPTION

PI20i is an electromechanical crimping machine with inverter technology, capable of delivering a crimping force of 120 kN. Its monolithic cast-iron frame and precision mechanical components ensure excellent rigidity, compact design and optimized weight, providing precise, reliable and consistent crimps over time.

Available in automatic or manual versions, PI20i is equipped with a safety guard made of stainless steel and transparent impact-resistant polycarbonate. The guards are available in tilting, pantograph, or door-type configurations with integrated safety barriers, ensuring optimal visibility of the crimping area and full operator protection in compliance with CE regulations.

The machine allows customization of working height and stroke according to the installed applicators, including Evolution, Restyling, FAKRA, MK, FMK and Magnum series models. It is also designed for the installation of load cells, either internal (CDA10 model) or third-party systems.

PI20i can be mounted on a workbench, with or without a wooden top, or integrated into a fully enclosed safety cabinet. It supports various plug-in accessories for wire stripping, scrap carrier strip cutting and collection of processing waste. All machine and accessory parameters are managed via an integrated display, ensuring complete and intuitive control of the production process.